

> PX02SMxxxx

2.5-INCH 12 Gb/s SAS Enterprise SSD

> KEY ADVANTAGES

- Up to 1.6 TB Storage Capacity
- Dual-Port 12 Gb/s SAS Interface
- Best-in-class 24nm eMLC NAND Flash
- Up to 900 MiB/s read and 400 MiB/s write
- Quadruple Swing-By Code (QSBC)
- Layered ECC Approach for Improved Error Correction
- Power Loss Protection
- Optional with Enhanced Secure Crypto-Erase Function

> APPLICATIONS

- Tier 0 & Tier 1 performance-hungry enterprise applications

> SPECIFICATIONS



SSD

Standard	PX02SMF020	PX02SMF040	PX02SMF080	PX02SMB160
User Capacity	200 GB	400 GB	800 GB	1,600 GB
Drive Interface	Serial Attached SCSI			
NAND Technology	24 nm eMLC			
Transfer Rate to Host	6 Gb/s, 12 Gb/s Dual Port			

Performance:	
Sequential Read	900 MiB/s
Sequential Write	400 MiB/s
4KB Random Read	120,000 IOPS
4KB Random Write	25,000 IOPS
Product Life	5 years
Availability (hrs/day x days/w k)	24 x 7

Power Requirements:	
Voltage	5 V (±5%), 12 V (±5%)
Power Consumption (Active)	< 9.0 W, (12 V / 5 V)

Physical Size:	
Dimensions (W) x (D) x (H)	69.85 x 100.0 x 7 mm
Weight	70 g

Environmental:	
Temp - Operating	0 to 55 °C
Temp - Non-operating	-40° to 70 °C
Vibration - Operating	9.8 m/s ²
Vibration - Non-operating	49 m/s ²
Shock - Operating	1,000G
Shock - Non-operating	1,000G

Limited Warranty	5 years (from date of purchase)
MTBF	2,000,000 hours